

A School for Men 1964, 24 pp.
FINNISH, rpt, Miesten Koulu 1964, 1964, 81 pp.
ACSI J-5408-A
ID 2204051164

WEur - Finland
MI
Nov 64

269,169

63-20492

Feigl, F. and Rajmann, E.
CONCERNING THE DETECTION OF FLUORINE
WITH THE AID OF SPOT REACTIONS (Über den
Nachweis von Fluor mit Hilfe von Tropfreaktionen).
[1963] [7p] (foreign text included) 9refs
Order from SLA \$1.10 63-20492

Trans. of Mikrochemie (Austria) 1932, v. 12,
p. 133-136.

DESCRIPTORS: *Fluorine, *Colorimetric analysis,
*Zirconium compounds, Chemical indicators.

(Chemistry--Analytical, TT, v. 10, no. 12)

I. Feigl, F.
II. Rajmann, E.

Office of Technical Services

Micro-Mass-Analysis Using Diphenylcarbazid and
Diphenylcarbazon as Indicator. UNCLASSIFIED

GERMAN, per, Mikrochemie, Vol XII, pp 315-320.

Navy Tr 980/BuShips 550

Scientific - Chemistry

11,937

CTS/DEX

J-156/66

On the Use of Rhodinic Acid as an Indicator
for the Volumetric Determination of Barium,
by A. Friedrich, S. Rapoport.
GERMAN, per, Mikrochemie, Vol VIII, No 1,
1933, pp 41-48.

J-156/66

Sci - ~~File~~ *Chm**Completed*

On Some Reactions Common to Germanium Dioxide
and Boric Acid, by N. S. Poluektov, 2 pp.

GERMAN, per, Mikrochem, Vol. XVIII, 1935,
pp 48 - 49.

NIH 4-10-62

199,814

Sci - Med

Jun 62

ORDER FROM NTC

A Direct Quantitative Determination of
Small Quantities of Arsenic in the Presence
of Mercury, by J. Gangl and H. Dietrich,
12 pp.

GERMAN, per, Mikrochemie, Vol XIII, No 2,
3, new series, 1936, pp 253-261.

SLA 57-3234

Sci

Aug 58

72,071

The Quantitative Microanalysis of Mixtures of Fumaric
and Maleic Acids, by Giovanni and Rao Amerano,
Shiva Ignazio, 7 pp. 5

GERMAN, per, Mikrochem, Vol XXIII, 1937, pp 9-16.

SLA 59-10692

Sci - Chem
Sep 59
Vol 2, No 1

97,251

The Determination of Small Amounts of Heavy Metals
in Water, by E. Abrahamczik, 6 pp.

~~GERMAN~~
~~German~~, per, Mikrochemie, Vol XIV, 1938, pp 228-233.

S.L.A. Tr 1/1956
AEC Tr: 56

Scientific - Chemistry
~~Nuclear Physics~~

33,931

Modification of the Reaction of Phuly in
Connection with Microcolorimetric (Photometric)
Determination of Imidazole Bodies (Histamine),
by A. Hincin, R. Schontal, 7 p.

~~Abstract~~, per, Mikroskopie, 1938, Vol XXIV,
pp 243-250.

SLA 59-20672

Sci
Mar 60
Vol 3, No 1

110, 855

Wiesenberger, E.
MICROCHEMICAL DETERMINATION OF ACETYL
GROUPS IN ORGANIC COMPOUNDS. 25 Nov 59 [31]p.
15 refs.
Order from SLA \$3.60

61-16793

Trans. of Mikrochemie (Austria) 1942, v. 30 [no. 3]
p. 241-254.

DESCRIPTORS: *Acetyl radicals, Determination,
Organic compounds, *Microanalysts.

(Chemistry--Analytical, TT, v. 6, no. 6)

61-16793

I. Wiesenberger, E.

176583

Office of Technical Services

1951	VJ8	N1	P258-262	70-22651	<*
1951	VJ8	P258	-267	70-22655	<*
1951	VJ8	P258	-268	70-22655	<*
1951	VJ8	P258	-269	70-22656	<*

ORDER FROM NTC

Critical Temperature of ~~Water~~ Solution for Characteri-
zation and Determination of Small Amounts of Liquid,
10 pp.

GERMAN, per, Mikrochem, Vol XXXIV, 1948-1949, p 319.

SLA Tr 3036

Sci - Chemistry
Feb 58

59, 524

A New Rapid Method for the Decomposition of Micro,
Seminicro and Macro Samples Using Alkali Peroxide in
a Universal Bomb, by B. Wurzschnitt, 11 pp.

GERMAN, per, Mikrochemie, Vol XXXVI/XXXVII, No 2,
1951, pp 769-780.

SLA 59-10073

Sci - Chem
Sep 59
Vol 2, No 1

97,253

62-10449

Kofler, Walter, Kofler, Adelheid, and Kofler,
Ludwig.
A MICRO-COLD STAGE AND ITS APPLICATION.
[1961] 26p. (3 figs. omitted) 53 refs.
Order from SLA \$2.60

62-10449

Trans. of Mikrochemie (Austria) [1952] v. 38, no. 3,
p. 218-231.

DESCRIPTORS: *Microscopes, Design, *Micro-
chemistry, Low temperature research, Instrumen-
tation, Coolants, Cooling.

On the basis of experience with the micro-hot stage,
a micro-cold stage was constructed which is simple in
operation and ready for use at all times. The cooling
is obtained by vaporization of liquid carbon dioxide.
An electrical heater installed next to this device makes
it possible also to pass through the region of room
(Chemistry--Analytical, TT, v. 7, no. 8) (over)

I. Kofler, W.
II. Kofler, A.
III. Kofler, L.

201349

Office of Technical Services

V
Microtitrations with Ethylene-diaminetetraacetic
~~XXXX~~ Acid: 1, by H. Flaschka.

GERMAN, per, Mikrochemie, Vol. XXXIX, 1952,
pp 38-50.

RAE Farnborough 549

Sci - Chemistry

31,026

Microtitrations with Ethylene-diaminetetraacetic
Acid: 2. Determination of Small Amounts of
Phosphate, by H. Flaschka, A. Holasek.

GERMAN, per, Mikrochemie, Vol. XXXIX, 1952,
pp 101-104.

RAE Farnborough 550

Sci - Chemistry

31,027

Microtitration With Ethylenediaminetetraacetic Acid.
III. The Direct Titration of Lead, by H. Flaschka,
7 pp.

GERMAN, per, Mikrochem, Vol XXXIX, 1952, pp 315-318.

SLA Tr 57-1284

Sci - Chemistry
Feb 58

59,519

Microtitrations With Ethylene Diamine Tetra-Acetic
Acid: Pt. 5, by H. Flaschka. UNCLASSIFIED

GERMAN, per, Mikrochemie, Vol XL, 1953, pp 21-26.

RAE Tr 730

Sci - Chem
Sep 58

71,912

The Selective Determination of Nitrogen in Various
Forms by the Micro-Kjeldahl Method: Pt.3, by
M. Marsadro. UNCLASSIFIED

GERMAN, per, Mikrochemie, Vol XL, 1953, pp 359-366.

RAE Tr 731

Sci - Chem
Sep 58

71,913

Biochemistry of Scandium and Its Precipitation
as the Phytate, by G. Beck, 1/4 pp.

GERMAN, per, Mikrochemie ver Mikrochim, Acta,
Vol XXXIV, 1948, pp 62-66.

AEC Tr 2396

Sci - Chemistry

32,475-

Determination of Scandium With Quinoline
the Similarity of Scandium Pyrophosphate to
Scandium Phytate, by G. Deck, 7 pp.

GERMAN, per, Mikrochem ver Mikrochim Acta, Vol XXIV,
1949, pp 282-285.

ABC 3341

Sci - Chem

Dec 58

77,443

(2) Selective Oxygen Determination in Small Gas
Volumes, by Karl Kordesch, Adolf Marko. UNCLASSIFIED

GERMAN, per, Mikrochemie und Mikrochimica Acta,
Vol XXXVI, XXXVII, 1951, pp 420-424.

Navy Tr 981/BuShips 551

Scientific - Chemistry

Jun 54 (TS)

14,518

Practical and Theoretical Problems in the Microtesting
of Hardness, by E. B. Bergman.

GERMAN, per, Mikrochemie und Mikrochim Acta, Vol
16 35-37, 1951, pp 831-840.

Vol.

Roma Scotia No 208

Scientific - Physics

Aug 53 CTS

4799

Quartz Micro-Balance for the Determination
of Magnetic Susceptibilities, by F. Blaha.

GERMAN, per, Mikrochemie Vereinigt Mit Mikro-
chimica Acta, Vol XXXIX, No 4, 1952,
pp 339-354.

CSIRO

Sci - Min/Met
18 May 62

196,740

The Micro-Estimation of Traces of Sodium,
Potassium and Calcium in Tungsten Metal and
Tungstic Oxide With the Flame Photometer, by
A. J. Hegedus, J. Neugebauer, M. Dvorsky.

CHIMIA, per, Mikrochimica Acta, No 2, 1959.
pp 288-293.

Dept of Interior
TW7, E57, No 295

1/8, 85

Sci - Chem
Jun 60

Microdetermination of Glycerol in fat and
Phosphatides, by Gunnar Blis, 7 p.

~~Microchimica~~, per, Microchimica Acta, 1937, Vol I,
No 1, pp 75-77.

SLA 59-20618

Sci
Mar 60
Vol 3, No 1

110,852

Abrahamczik, E.
COLORIMETRIC DETERMINATION OF MAGNESIUM
BY MEANS OF TITAN YELLOW WITH REMOVAL
OF INTERFERING ELEMENTS SUCH AS IRON,
ALUMINUM, AND MANGANESE BY SHAKING OUT
WITH ACETYL ACETONE. (1949) (2p. 55 refs)
Order from SI A ml\$2.40, pl\$3.30 (1-10229)

Trans. of Mikrokimi[ca] Acta (Austria) 1947, v. 33,
p. 208-216.

143,200

(1-10229)

1. Magnesium--Colorimetric analysis
2. Pentanediones--Applications
3. Title: Titan yellow
1. Abrahamczik, E.

Office of Technical Services

(Chemistry--Analytical, TT, v. 5, no. 4)

Precipitation and Determination of Beryllium in the
Oxide State, by Therese Dupuis, 13 pp.

GERMAN, par, Mikrochimica Acta, Vol XXXV, 1950,
pp 477-487. 9209175

ABC-UCFL-916(L)

Sci - Chem

Jul 63

236,181

63-10627

Gautier, J. A. and Pignard, P.
A BOROTARTRATE COMPLEX AND ITS APPLICATION TO THE MICROCHEMICAL DETERMINATION OF THE BORIC ION. 17 Feb 56, 8p. (figs. omitted)
7 refs.
Available on loan from SLA

63-10627

Trans. of Mikrochimica Acta (Austria) 1951, v. 36/37, p. 793-800.

DESCRIPTORS: *Boron, Determination, Microanalysis, Volumetric analysis, Boron compounds, *Tartrates, *Complex compounds, Barium compounds, Chromates.

In the presence of tartaric acid, borate reacts with barium to produce a precipitate of constant composition and very low water-solubility. The analysis of this presumably complex barium borotartrate yields to empirical formula $\text{Ba}_5\text{B}_2\text{C}_{12}\text{H}_{24}\text{O}_{24} \cdot 4\text{H}_2\text{O}$. The (Chemistry: -Analytical, TT, v. 9, no. 7) (over)

I. Gautier, J. A.
II. Pignard, P.

Office of Technical Services

L'Utilisation De L'Amine Pour le Microdosage
Qualitatif du Tungstene dans les Mineraux, by
A. du Souchet, 4 p.

GERMAN
~~Microchim~~, per, Microchim Acta, 1953, Vol II,
No 1, pp 104-105.

CEA-tr-A523

Sci
Feb 60

Vol 2, No 12

108, 225

Microtitrations with Ethylenediamine Tetracetic
Acid. X, Direct Titration of Manganese in Pure
Solutions and in the Presence of Other Metals, by
H. Flaschka and A. H. Amin.

GERMAN, per: Mikrochem. Acta, Vol IV, 1953, pp
414-420.

SLA 57-2912

Sci

Aug 58

71,135

Photometric Determination of Zinc by
Means of Indo-Oxide, by O. Svoboda,
W. Frodinger.

GERMAN, per, Mikrochimica Acta,
No 1, 1954, pp 122-126.

CSIRO

Sci - Phys
Jun 62

199,656

The Procedure for Separations in a Drop, by
H. Weisz, 6 pp.

GERMAN, per, Mikrochim Acta, Vol I, 1954,
pp 140-147.

GLA 3016
SLA Tr 57-670

Sci - Physics
Sep 57

52,996

Microdetermination of Primary Amino Groups in
Aliphatic and Aromatic Compounds, in Amino Acids
and Peptides, as Well As in the Amides of Carb-
oxylic Acids and Sulfonic Acids, by Gerald Kainz
27 pp.

GERMAN, Ger, Mikrochimica Acta, Vol IV, 1954,
pp 349-365.

S. L. A. Tr 615/56

38,326

Sci - Chemistry

Aug 56 CT¹⁰/dax

The Determination of Extremely Low Carbon Contents
in Steels, by L. Wettarik.
GERMAN, per, Microchimica Acta, No 5, 1954,
pp 509-521.
BISI #444

Sci - M/M
Jun #64

260,261

A Separation Process in One Drop. A Contribution to the
Annular Oven Method and Spot Testing, by H. Weisz, 10 pp.

GERMAN, per, Mikrochim Acta, Vol. CCCXLIV, 1954,
pp 376-387.

SLA Tr 3020

Sci - Chemistry
Feb 58

60,818
Sci - Chemistry
Feb 58
Tr 537

Microtitrations with Ethylenediaminetetra-
acetic Acid Part XII - Determination of Gallium,
by H. Flaschka and H. Abdine, 20 pp.
GERMAN, per, Mikrochim. Acta, Vol 6, 1954,
pp 657-667. P911042968
AEC UGHL-TRANS-10161

Sci-Chemistry
Mar 68

350,665

Application of the Ring Furnace in Spot Colorimetry,
by Herbert Weiss, 12 pp.

GERMAN, per, Mikrochim Acta, 1954, pp 785-794.

AEC Tr 3270

Sci - Chem,

Sep 58

73, 754

ICEA-tr-A-713 (Rpt: UNCLASSIFIED)
MICRODOSAGE PAR TITRAGE PAR L'ACIDE
ÉTHYLÈNE-DIAMINE-TÉTRA-ACÉTIQUE.
XIV. DOSAGE DES TERRES RARES. (Micro-
determination by Titration with Ethylene-
diaminetetraacetic Acid XIV. Determination
of Rare Earths). H. Flaschka. Translated into
French from Mikrochim. Acta 1, 55-60(1955).
12p. 12/6/60. Nonproject.

NSA

C

62-20125

Wacek, A. v. and Zeisler, F.
DETERMINATION OF TRACES OF ALCOHOL IN
VERY DILUTE AQUEOUS SOLUTIONS. [1962] 9p.
4 refs.

Order from SLA \$1.10

62-20125

Trans. of Mikrokhemika Acta (Austria) 1955, no. 1,
p. 29-36.

DESCRIPTORS: Determination, *Alcohols, Water,
Solutions, *Microanalysis, Test equipment, Ethanol,
Methanol.

(Chemistry--Analytical, TT, v. 9, no. 12)

I. Wacek, A. v.
II. Zeisler, F.

TT-64-16133

Office of Technical Services

A Rapid Microanalytical Determination of Halogens
in Organic Substances, by W. Schoniger, 7 pp.

GERMAN, per, Mikrochim, Acta, Vol. I, 1955, pp 123-
129.

63-14105
BLA Tr: 2849

Sci - Chemistry
Feb 58

59,522

Advances in the Spectrochemical Analysis of
the Non-Metals With Powerful Low Voltage
Spark, by K. Pfeilsticker.
GERMANY, per, Microchimica Acta, 1955,
p 358-375
ABC IS-Tr-15

Sci-M/M
Apr 65

278,745

Recent Advances in the Study of the Far UV. by
B. Vodar, J. Romand, 26 pp.

GERMAN, per, Mikrochim Acta, 1955, pp 429-445.

S.L.A. Tr 805/1956

Sci - Chemistry

Oct 56 JTS

39,909

The Use of Substituted Dithiocarbonates in
Micro-Analysis, III, by H. Malissa,
E. Schoffmann.

GERMAN, per, Mikrochimica Acta, Vol I,
1955, pp 187-202.

CSIRO 5626

Sci

Dec 62

Results of Intensity Determinations With the S.P.D.
Scale, With a Short Note on Scale Lines a Blackening
Profile Similar to Spectrum Lines, by J. A. Dikhoff,
N. W. Addink, 15 pp.

GERMAN, per, Mikrochimica Acta, Part 2-3, 1955,
pp 257-264.

SLA Tr 1121

Sci - Physics

52,382

Sep 57

100 10. 1. Absorption of the Stabilized Nitrogen
Group (A New Method for the Determination of the
Group Number, by Josef Schurz, 6 pp.

GERMANY, *Monatsh. Chem.*, Vol. ~~88~~ ⁸⁷ ~~II~~ ^{III}, 1958, pp 589-591/
ANMERKUN, per, Vol ~~88~~ ⁸⁷ ~~II~~ ^{III}, 1958, pp 589-591/

STA 59-10128

Sol - Chem
Sep 59
Vol 2, No 1

97,47

Determination of Methylimide, by F. Franzen,
H. Pauli.

GERMAN, per, Mikrochim Acta, No 5, 1955,
pp 845-849.

T.I.L. T. 4587

Sci - Chemistry

35,738

Jun 1956

Precipitation of Metals With Aminophenyl-Arsenic
Acids, by R. Pietsch, 9 pp.

GERMAN, per, Mikrochemica Acta, No 5/6, 1955,
pp 954-961.

A.E.R.N. Harwell Lib Tr 742

Chemistry
Sci - ~~Mineralogy~~
March 57 CTS/dex

44,351

Precipitation of Metals with Nitro Phenyl Acetic
Acids, by R. Pietsch, 8 pp.

GERMAN, per, Mikrochemica Acta, No 5/6, 1955,
pp 1019-1025.

A.E.R.N. Harwell Lib Tr 743

Sci - Min/metals
March 56 CTS/dex

44, 349

A New Microchemical Complex and Its Application
to the Study of Cu^{++} , by Juan Carlos Baro Graf,
4 pp.

GERMAN, per, Mikrochim Acta, Nos 1 to 3, 1956,
pp 263-267.

ABC Tr-2547

38,382

EE
Sci - Chemistry

The Application of Mass Spectroscopy in Analytical
Chemistry, by H. H. Hintenberger, 17 pp.

GERMAN, par, Mikrochimica Acta, No 1-6, 1956,
pp 71-90. 9097695

A.O.S.I.L. No 1239

Sci

Mar 62

188, 049

The Use of Fluorescence to Detect Petroleum Products
in Natural Waters, by Berther Nietsch, 9 pp.

GERMAN, per, Mikrochimica Acta, No 1-6, 1956,
pp 171-178. 966689

ETC TT-63-27137

Amer Meteorol Soc T-G-187

Sci - M/M
May 63

231,947

Contribution to Micro Methode in Iron and Steel
Research, by Malissa.

GERMAN, per, Mikrochim Acta, No 1-6, 1956, pp 474-48

Co-op Tr Serv Tr 716
(1 - 1 1/2)

Sci - Min/met
Nov 57

55, 866

The Ring Furnace Method, by Herbert Weiss, 15 pp.

GERMAN, per, Mikrochim Acta, 1956, pp 667-681.

AEC Tr 3206

Sci - Chem

May 58

64, 815

Some Ultramicro Methods of Quantitative
Organic Elementary Analysis, by W. J.
Kirsten.

GERMAN, per, Mikrochimica Acta,
1956, pp 836-842.

CSIRO

Sci - Chem
Jun 62

201, 129

DETECTION OF NICOTINE IN A TOBACCO FIBRE. 1960 [1957] Acta Chem. from SLA 31. 10 TT-64-10626 [Chem. of Willebrandt] Acta (Austria) 1956 [no. 4/6] p. 942-952. (Chemistry--Analytical, TT, v. 11, no. 12)	TT-64-10626 I. Luis, F. II. Niederl, J. B. Office of Technical Services
--	--

New Methods in Gas Analysis II. Titrimetric
Determination of Gas Mixtures, by E. Schulak, E.
Pungor, 11 pp.

GERMAN, per, Mikrochim Acta, No 7, 1956, pp 1120-35

SLA 59-10584

Sci • Chem
Sep 59
Vol 2, No 2

97,989

On the Role of the Flame Temperature in Flame
Photometric Analysis of the Alkali Metals, by
E. Pungor, A. J. Hegedus, I. Konkoly Thege,
E. E. Zapp, 16 pp.

GERMAN, per, Mikrochim Acta, Vol. VII-VIII, 1956,
pp 1247-1263.

SLA 57-2579

AEC Tr 2999 *502, 452*

Sci - Min/met; physics
Sep 57

The Determination of Very Small Amounts of
Uranium in Rocks and Natural Waters, by F. Hecht,
J. Korkisch, R. Patsak, A. Thiaz, 40 pp.

GERMAN, per, Mikrochim Acta, 1956, pp 1283-
1306.

MIN 3-27

Sci - Geophys

Apr 59

85,434

Some Recent Progress on the Microdetermination
of Elements in Organic Substances, by W.
Schoniger.

GERMAN, per, Mikrochim Acta, No 10, 1956,
pp 1456-1473.

SUB TP 57-1170
RAE Farnborough Tr 623

Sci - Physics
Aug 57

51,191

Ultramicro-Method for Directly Determining
Copper Chromatographed on Paper, by A. KME
Lacourt, F. Heyndrycmx.

GERMAN, per, Mikrochimica Acta, Vol XI,
1956, pp 1621-1648.

CSIRO 3861.2

Sci - Phys

192,095

Apr 62

Körbl, J.
THE USE OF THERMAL DECOMPOSITION PRODUCTS
OF SILVER PERMANGANATE IN ORGANIC ELEMEN-
TARY ANALYSES. 23p 32refs.
Order from S.L.A. \$2.60

TT-64-18366

Trans. of Mikrokhim[ica] Acta (Austria) 1956 [no. 11]
p. 1705-1721.

(Chemistry--Analytical, TT, v. 12, no. 7)

PB TT-64-18366

I. Körbl, J.

63-12964

Bobranski, B.
NEW AUTOMATIC EQUIPMENT FOR THE CENTRIFUGAL DETERMINATION OF CARBON AND HYDROGEN IN ORGANIC SUBSTANCES. [1962] 13p.
Order from K-H \$16. 25 K-H 6048a

I. Bobranski, B.
II. K-H-6048-a
III. Kresge-Hoover Science Library Associates, Detroit, Mich.

Trans. of Microchim[ica] Acta (Austria) 1956, no. 11, p. 1735-1746.

DESCRIPTORS: Automation, Chemical analysis, Microanalysis, *Carbon, *Hydrogen, *Organic materials, *Laboratory equipment

(Chemistry--Analytical, TT, v. 9, no. 10)

Office of Technical Services

New Automatic Equipment for the Centigram
Determination of Carbon and Hydrogen in
Organic Substances, by Boguslaw Bobranski.

GERMAN, per, Mikrochimica Acta No 12,
1956, pp 1735-1746.

KMLx

SLA TT 64-20200

Sci

Apr 67

322,243

62-20074

I. Mazor, I.

Mazor, Iadslau.
DIRECT DETERMINATION OF OXYGEN IN FLUORINE-CONTAINING ORGANIC COMPOUNDS. [1962]
[5]p. 6 refs.

Order from SLA \$1.10

62-20074

Trans. of Mikrochimica Acta (Austria) 1956, no. 12,
p. 1757-1761.

DESCRIPTORS: Determination, *Oxygen, *Fluorides,
*Organic compounds, Magnesium compounds, Quartz,
Pyrolysis, Refractory materials.

The determination of oxygen in organic compounds containing fluorine cannot be carried out by the usual procedure because the hydrogen fluoride resulting from the thermal decomposition of the sample reacts with the quartz, whose oxygen leads to the formation of carbon monoxide with the result that the values (Chemistry--Analytical, TT, v. 9, no. 10) (over)

Office of Technical Services

The Determination by Flame Photometry of
Small Amounts of Barium in Materials Containing
Barium Sulphate, by E. Pungor, E. K.
Zapp, 7 pp.

GERMAN, pot, Microchim Acta, No 2, 1957, pp 150-
158. CIA 9009548

ACBIL Tr 1009

161/60/1009
54,909

Sci - Physics
Nov 57

Iodometric Micro and Ultramicro Determination
Of Carbon and Hydrogen. The Determination Of
The Ratio C:H Without Weighing by Josef.
Untersaucher.

GERMAN, per, Mikrochimica Acta, No 3-4, 1957,
pp 448-468.

CSIRO

Oct. 62

Gamsstätter, H., Ornig, H., and
Schwarz-Bergkampff, E.
LITHIUM CONTENT IN AUSTRIAN SALINE MOTHER
LIQUORS. [1963] 5p. (figs. omitted) 13 refs.
Order from SLA \$1.10

63-14102

Trans. of Mikrokhemika Acta (Austria) 1957 [no. 3/4]
p. 607-612.

DESCRIPTORS: *Lithium, *Salts, *Test methods,
Spectrophotometers, Chemical analysis.

The lithium content of brine mother liquors may be determined by the flame photometer after the sodium chloride has been removed with hydrogen chloride gas. A simplified calibrating process is used, based on the addition of known amounts of lithium corresponding to an internal standard procedure. The usability of these methods is demonstrated by the results of the investigation of Austrian saltworks mother liquors. (Author) (Chemistry--Analytical, TT, v. 10, no. 8)

63-14102

I. Gamsstätter, H.
II. Ornig, H.
III. Schwarz-Bergkampff, E.

Office of Technical Services

Quantitative Organic Analysis: Pt. 13 - A Rapid
Method for C and H Microdetermination in Organic
Substances, by H. Vechera. UNCL

GERMAN, per, Mikrochim Acta, No 1, 1958,
pp 9-27.

RAR 752

Sci - Chem
Jan 59

SLA 62-10121

TT-64-30114

89,775

On the basis of the Analysis, Part I, the determination of the
determination of the vapor pressure of the
solution, S. Fungor, N. Thompson, 6 pp.

GISEL, per, Mikrokchim Acta, 1958, pp 52-59.

MS 61234
HTS 106-82

Sci - Chem
Sep 59
Vol 2, No 2

97870

Gasparic, J. and Vecera, M.
THE SELECTION OF SOLVENT SYSTEMS FOR
PAPER CHROMATOGRAPHIC SEPARATION OF OR-
GANIC COMPOUNDS XXI. COMMUNICATION ON THE
IDENTIFICATION OF ORGANIC COMPOUNDS.
19 Oct 60, 30p. 82 refs.
Order from SLA m153.00, ph\$6.30 60-18878

Trans. of Mikrokemika Acta (Austria) 1958 (no. 1)
p. 68-91.

Practical examples are given to show how organic com-
pounds can be separated by means of paper
chromatography.

142,782

(Chemistry--Organic, IT, v. 5, no. 2)

60-18878

- I. Organic compounds -
Chromatographic analysis
- I. Gasparic, J.
- II. Vecera, M.
- III. Title: Communication...

Office of Technical Services

Contribution on Trace Analysis. 2. On the
Trace Analysis of Titanium and Its Compounds,
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RAE 739

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J-884/60

(DC-4382).

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Determination of Halogen (Cl, Br, I) and Sulphur on
the Same Sample, Based on the Micromethod of
W. Schoniger, by M. Boetius.
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NLL Ref: 9022.401 (746-104)

Sci/Chem
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End Point Determination by Interpolation for
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Sci - Chem
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A New Method for Uranium Determination by
Exchange and Its Application to Uranium
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A. Ferec, F. Necht. UNCL

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Gas Chromatographic Determination of Very Small
Amounts of Carbon Disulphide in Carbon Dioxide
and Inert Gases After Preliminary Concentration,
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Sci

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The Determination in Air and Dilute Solutions of
Small Amounts of Amines Produced From Aromatic
Isocyanates in the Presence of the Isocyanates,
by W. Fila, 7 pp.

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An Improved Method for the Microdeter-
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Concentrations in Biological Material, by H. Film.

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On the Catalytic Effect of Gold in the Reduction
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Gas-Chromatographic Microdetermination of
Formyl and Acetyl Groups, Particularly in
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Fluorine in Organic Materials, by F.
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Horacek, J. and Körbl, J.
DETERMINATION OF CARBON AND HYDROGEN IN
ORGANIC COMPOUNDS. I. THE EFFECTIVENESS OF
COMBUSTION CATALYSTS IN THE COMBUSTION OF
ACETIC ACID. 31 Aug 62, 12p. 18 refs.
Order from SLA \$1.60

63-10100

Trans. of Mikrochim[ica] Acta (Austria) 1959 [no. 2]
p. 303-313.

DESCRIPTORS: Organic compounds, *Catalysts, *Com-
bustion, Oxidation, *Acetic acids Decomposition,
*Silver compounds, *Permanganates, Quantitative analy-
sis, Carbon, Hydrogen

The oxidative catalytic effectiveness under standard con-
ditions was tested for 28 catalysts that are already used
as combustion catalysts in elemental analysis or that
appear suitable for this purpose. As test compound we
used acetic acid, which was mixed in constant quantity
(Chemistry--Analytical, TT, v. 9, no. 11) (over)

63-10100

I. Horacek, J.
II. Körbl, J.
III. Title: Effectiveness...

Office of Technical Services

Kainz, Gerald and Huber, Hans.
CONTRIBUTION TO OUR KNOWLEDGE OF THE RE-
ACTIONS THAT IN AMINO NITROGEN DETERMINA-
TION PRODUCE ANOMALOUS RESULTS: THE
ANOMALY OF THE ISONITROSO COMPOUNDS. [1960]
[10]p. (refs. 1 table 1 diagr. 8 figs. Formulae, Eng.
summary omitted).
Order from SLA ml\$1.80, ph\$1.80 61-10387

Trans. of Mikrokhemika Akts (Austria) 1959, no. 3,
p. 337-343.

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(Chemistry--Organic, TT, v. 5, no. 5)

61-10387

1. Amino nitrogen--Deter-
mination
 2. Nitroso compounds--
Chemical reaction
- I. Kainz, G.
 - II. Huber, H.
 - III. Title: Anomaly...

Office of Technical Services

the Anomalous Reactions in the Determination of
Amino Nitrogen. III. The Anomalies of
Compounds With Active Methylene Groups, by
G. Mainz, F. Kesler, H. Huber, 6 pp.

GERMAN, per, Microchimica Acta, No 6, 1959,
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ATS-52M37G

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The Anomalous Reaction of Glycine in the
Determination of Amino Nitrogen According
to Van Slyke, by G. Kainz, F. Kasler,
H. Huber.

GERMAN, per, Mikrochimica Acta, No 6,
1959, pp 863-890.

ATS-54M37G

Mar 62

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Anomalous Reactions in the Determination of
Amino Nitrogen. V. The Anomalies of the
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pp 891-902. _____

ATN-53M37G

186.299

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Anomalous Reactions in the Determination of
Amino Nitrogen. VI, The Anomalies of
Indole and its Derivatives, by G. Kainz,
H. Huber, 4 pp.

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pp 903-907.

ATSI-55M37G

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Mar 62

Huber, Walter.
PAPER CHROMATOGRAPHY OF OLEFINS. [1961]
13p. 10 refs.
Order from SLA \$1.60 61-20748

Trans. of Mikrochimica Acta (Austria) 1960, no. 1,
p. 44-58.

DESCRIPTORS: *Paper chromatography, *Ethylenes,
Separation, Molecular weight, Mixtures, Hydrocarbons,
Identification, Chemical bonds, Isomers.

By reaction with mercury acetate, olefins can be converted into nonvolatile addition compounds, which can be separated by paper chromatography. Consequently, it is possible to detect olefins in any hydrocarbon mixtures by simple means and to characterize them from the standpoint of molecular weight. Since no (Chemistry--Analytical, TT, v. 7, no. 6) (over)

61-20748

I. Huber, W.

Office of Technical Services

Kainz, Gerald and Kaer, Franz.
CONTRIBUTIONS TO UNDERSTANDING THE
ANOMALOUS REACTIONS IN THE DETERMINATION
OF AMINO NITROGEN. [VIII]. THE ANOMALIES OF
SOME AMINO ACIDS. [1960] 10p. (8 figs. omitted)
11 refs.
(Order from SLA m51.80, 1951.80
61-10314)

Trans. of Mikroschimica Acta (Austria) 1960 (no. 1)
p. 62-71.

A hydroxyl compound, and probably the corresponding
nitrolic acid, is formed during the decimation. In
the case of alpha-amino acids, carbon dioxide is also
liberated. The extent of the formation of nitrolic acid
depends on the concentration of the nitrite solution;
under conditions for the determination of the amino
nitrogen, about 30% is produced. The nitrolic acid is
the starting point for the anomalous production of gas.
When the temperature is increased, the isomeric
(Chemistry--Organic, TT. v. 5, no. 4)
(over)

1. Amino acids--Chemical reactions
2. Amino acids--Chemical reactions
3. Nitrous acid--Chemical reactions
4. Title: Anomalous reactions
- I. Kainz, G.
- II. Kaer, F.
- III. Title: Anomalous

143,177

Office of Technical Services

Contribution to the Analysis of the Alkaline-
Earth Metals by Flame Photometry, by
E. Pungor, A. J. Hegedus.

GREENMAN, par, Mikrochimica Acta, No 1,
1960, pp 87-101.

CSIRO

Sci - Min/Met, Phys
Jun 62

203,352

A Quick Process for Nitrogen Micro Estimation in Organic Substances using Co_3O_4 as the Combustion Catalyst, by M. Vecera.
FRENCH, per, Mikrochimica Acta, Vol II, 1960, pp 208-219.
*AEC

Sci - Chem
Jul 66

Kainz, Gerald and Kasler, Franz.
CONTRIBUTIONS TO UNDERSTANDING THE
ANOMALOUS REACTIONS IN THE DETERMINATION
OF AMINO NITROGEN. (VIII). THE ANOMALIES OF
SOME AMINO ACIDS. [1960] 10p. (8 figs. omitted)
11 refs.

Order from SLA mi\$1.80, ph\$1.80

61-10314

Trans. of Mikrokhem[ica] Akta (Austria) 1960 [no. 1]
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A hydroxyl compound, and probably the corresponding
nitrolic acid, is formed during the deamination. In
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(Chemistry-Organic, TT. v. 5, no. 4) (over)

61-10314

1. Amino nitrogen--
Determination
2. Amino acids--Chemical
reactions
3. Nitrous acid--Chemical
reactions
4. Title: Anomalous reactions
- I. Kainz, G.
- II. Kasler, F.
- III. Title: Anomalies

143,177

Office of Technical Services

group of the nitrolic acid reacts with nitrous acid, and the corresponding carbonyl compound is produced, along with an evolution of N_2 and N_2O . In the case of tyrosine, additional amounts of gas form because of the phenol grouping. In the case of cystine, the excess volume comes from the reaction of the disulphide grouping with nitrous acid. (See also 61-10313)

pg- 61-10314

Contribution to the Analysis of the Alkaline-
Earth Metals by Flame Photometry, by
E. Fungor, A. J. Hegedus.

GERMAN, per, Mikrochimica Acta, No 1,
1960, pp 87-101.

CSIRO

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Jun 62

203,352

A Quick Process for Nitrogen Micro Estimation in Organic Substances using Co_3O_4 as the Combustion Catalyst, by M. Vecera.
FRENCH, per, Mikrochimica Acta, Vol II, 1960, pp 208-219.
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Sci - Chem
Jul 66

Determination of Carbon and Hydrogen in Organic
Compounds; Efficiency of Combustion Catalysts II,
by J. Horacek, J. Korbl, V. Pechanec.

GERMAN, per, Mikrochimica Acta, Jan 1960,
pp 295-298.

Weapons Research Estab

Sci - Chem

Jun 61

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